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കേരള സർക്കാർ
GOVERNMENT OF KERALA

കേരള ഗസറ്റ് KERALA GAZETTE

ആധികാരികമായി പ്രസിദ്ധപ്പെടുത്തുന്നത്
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Part III

Agriculture Development and Farmers Welfare

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GOVERNMENT OF KERALA
2026



Agriculture Development & Farmers' Welfare Department

ETENDER NOTICE

No. PT(1)114/2025/GN/SN

05th February 2026

e-Tenders in single cover system are invited from competent dealers for the Procurement of LABORATORY GLASSWARE and ACCESSORIES for Chemical Pesticide Quality Control Laboratory under the scheme Modernization of Departmental Laboratories 2025-26 to State Pesticide Testing Laboratory, Parottukonam, Nalanchira P.O., Thiruvananthapuram, Kerala Pin-695015 of the Agriculture Development & Farmers' Welfare Department. The tender is to be submitted as e-tenders through <https://etenders.kerala.gov.in>.

Tender id	2026_AGRI_833769_1
PAC	4,00,000/-
Document sale start date	05.02.2026-05.00PM
Document sale end date	12.02.2026-05.00PM
Bid Submission start date	05.02.2026-05.00PM
Date & Time of opening of e-Tender	16.02.2026-11.00AM
Cost of e-Tender (online submission)	Rs.800+ 18% GST
Date up to which the rates are to remain firm for acceptance	31.03.2026
E.M.D.	1% of the PAC (through online payment)
Security Deposit	5% of total contract amount inclusive of E.M.D
Period of Supply	Within 15 days of receipt of supply order

SCHEDULE OF ITEMS TO BE SUPPLIED

SL. No	Name of the Chemicals	Quantity Required (Approximate)	Specification
1	Beaker Class A	5 Nos	500ml
2	Beaker Class A	5 Nos	250ml



SL. No	Name of the Chemicals	Quantity Required	Specification
3	Beaker Class A	10 Nos	100ml
4	Pipette Class A	2 Nos	10ml
5	Pipette Class A	2 Nos	20ml
6	Conical Flask Graduated Class A	2 Nos	500 ml
7	Volumetric Flask Class A	15 Nos	100ml
8	Volumetric Flask Class A	10 Nos	50ml
9	Volumetric Flask Class A	10 Nos	25ml
10	Volumetric Flask Class A	5 Nos	10ml
11	Stopper Class A	25 Nos	100ml
12	Stopper Class A	25 Nos	50ml
13	Stopper Class A	25 Nos	25ml
14	Stopper Class A	25 Nos	10ml
15	Small Vials Class A	100 Nos	For GC Trace 1110 Autosampler
16	Pipette Stand	2 Nos	310m
17	Jack Stand/ Lab Jack	2 Nos	1 ½ feet
18	Lab Jack Assembly with Finger Clamp	5 Nos	Stand Height-2 feet Finger Clamp-1 Feet



**TECHNICAL SPECIFICATIONS FOR LABORATORY
GLASSWARE**

(For Chemical / Pesticide Testing Laboratory Use)

1. All glassware supplied shall be **made of high-quality borosilicate glass (3.3 or equivalent)** suitable for chemical analysis and resistant to thermal shock, chemical corrosion, and repeated washing.
2. Volumetric glassware (measuring cylinders, volumetric flasks, and fixed volume pipettes) shall conform to **Class A accuracy** and shall be **individually calibrated**.
3. All volumetric markings shall be:
 - Clearly and permanently **etched or printed**
 - **Easy to read**, with uniform graduation
 - Resistant to normal laboratory cleaning agents
4. Each volumetric item shall bear **permanent markings** indicating:
 - Nominal capacity
 - Accuracy class (Class A)
 - Manufacturer's name or trademark
5. Glassware shall be supplied **new, unused, and free from defects** such as bubbles, scratches, cracks, distortion, or uneven thickness.
6. All items of the same type and capacity shall be supplied from the **same manufacturer and model series** to ensure uniformity in laboratory operations.
7. Fixed volume pipettes shall be:
 - Of **Class A accuracy**
 - Suitable for analytical work
 - Compatible with standard pipette fillers
 - Supplied with appropriate certification, where applicable
8. The supplier shall clearly specify the **make, model, standard followed, and accuracy class** for each item quoted in the bid.

Glassware supplied may be **subject to inspection and verification** upon



receipt, and items failing to meet specifications shall be rejected and replaced at the supplier's cost.

SPECIAL CONDITIONS OF CONTRACT (SCC)

Supply of Laboratory Glassware for NABL Accredited Chemical Testing Laboratory

1. Scope of Supply

1.1 The scope of supply under this contract includes procurement, packing, transportation, delivery, and replacement (where required) of laboratory glassware as specified in the Schedule of Items.

1.2 The glassware shall be suitable for use in a **NABL accredited laboratory complying with ISO/IEC 17025:2017** requirements.

2. Standards and Compliance

2.1 All glassware supplied shall conform to Borosilicate Glass 3.3 specification and comply with the latest editions of the following standards, as applicable:

- IS 2619 / IS 1997
- ISO 3585, ISO 1042, ISO 4787, ISO 835, ISO 648, ISO 385
- ASTM E438 Type I

or equivalent international standards.

2.2 In case of conflict between standards, the more stringent requirement shall prevail.

3. Accuracy and Class

3.1 All volumetric glassware such as volumetric flasks, pipettes, burettes, and measuring cylinders shall be Class A accuracy, unless otherwise specified in the Schedule of Items.

3.2 Permissible tolerances shall be as per the relevant IS/ISO standards and shall be clearly marked on the glassware.

4. Workmanship and Finish

4.1 The glassware shall be free from cracks, bubbles, scratches, strain marks, and any manufacturing defects.

4.2 Graduations shall be clear, uniform, permanent, and resistant to routine laboratory washing and chemical exposure.

4.3 Ground glass joints, where applicable, shall be accurately matched and leak-proof.

5. Chemical and Thermal Resistance



5.1 The glassware shall possess high resistance to acids, alkalis, organic solvents, and reagents used in chemical analysis.

5.2 The glassware shall be autoclavable and capable of withstanding thermal shock as per applicable standards.

5.3 Hydrolytic resistance shall conform to ISO 719 / ISO 720 or equivalent.

6. Marking and Identification

6.1 Each item shall bear permanent and legible markings indicating:

- Manufacturer's name or trademark
- Nominal capacity
- Accuracy class (where applicable)
- Calibration basis (TC / TD), wherever relevant

7. Calibration and NABL Traceability

7.1 The supplied glassware shall be suitable for in-house calibration, intermediate checks, and verification as required under Clause 6.4 (Equipment) and Clause 6.5 (Metrological Traceability) of ISO/IEC 17025:2017.

7.2 Wherever required by the Purchaser, the supplier shall provide:

- Manufacturer's batch calibration certificate, or
- Declaration of conformity to the relevant volumetric standard.

7.3 The glassware shall not restrict or compromise NABL accreditation requirements.

8. Packing, Transportation, and Delivery

8.1 All glassware shall be individually packed using appropriate cushioning material to prevent damage during transit.

8.2 The packing shall clearly indicate item description, quantity, and manufacturer details.

8.3 Any breakage or damage noticed at the time of delivery shall be replaced by the supplier at no additional cost.

9. Inspection and Acceptance

9.1 The Purchaser reserves the right to inspect the glassware upon receipt or during use for compliance with the tender specifications.

9.2 Glassware found to be damaged, inaccurate, or non-compliant with the specified standards shall be rejected.

9.3 Rejected items shall be replaced by the supplier within **15 days** at no extra cost to the Purchaser.



10. Documentation to be submitted

The supplier shall submit the following documents along with the supply:

- a) Product catalogue / datasheet indicating applicable standards and specifications
- b) Declaration of conformity to relevant IS/ISO/ASTM standards
- c) Manufacturer's quality certification (ISO 9001 or equivalent), if available

11. Warranty and Replacement

11.1 The supplier shall provide a minimum 30-day warranty against manufacturing defects from the date of receipt.

11.2 Any glassware found defective during the warranty period shall be replaced free of cost.

12. Compliance Statement

12.1 The bidder shall submit a Technical Compliance Statement (Annexure-II) clearly indicating compliance or deviation against each clause of these SCCs.

12.2 Absence of a compliance statement or submission of incomplete information may result in rejection of the bid.

13. Deviation Clause

13.1 Any deviation from these SCCs shall be clearly indicated in the bid.

13.2 Deviations not expressly stated shall be deemed as full compliance

Sd/-

Deputy Director of Agriculture
Cum Senior Chemist

